

BOX PCT

IN THE UNITED STATES ELECTED/DESIGNATED OFFICE  
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY-CHAPTER II

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**PRELIMINARY AMENDMENT**

APPLICANTS: Ralf Schoebel et al. DOCKET NO.: 112740-514  
SERIAL NO: GROUP ART UNIT:  
FILED: EXAMINER:  
INTERNATIONAL APPLICATION NO.: PCT/DE00/01109  
INTERNATIONAL FILING DATE 11 April 2000  
INVENTION: HETERODYNE MOBILE RADIO RECEIVER WITH  
SIMPLIFIED INPUT FILTERING

Assistant Commissioner for Patents,  
Washington, D.C. 20231

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Sir:

Please amend the above-identified International Application before entry  
into the National stage before the U.S. Patent and Trademark Office under 35  
U.S.C. §371 as follows:

15 **In the Specification:**

Please replace the Specification of the present application, including the  
Abstract, with the following Substitute Specification:

**SPECIFICATION**

**TITLE OF THE INVENTION**

20 **HETERODYNE MOBILE RADIO RECEIVER WITH SIMPLIFIED INPUT  
FILTERING**

**BACKGROUND OF THE INVENTION**

25 In heterodyne mobile radio receivers, there is a spurious response position  
at the image frequency. At this spurious response position, the receiver has  
approximately the same sensitivity as at the useful frequency. To prevent  
interference, very strong filtering is required at this frequency. This is 71 dB, e.g.,  
in the GSM 900 system. For this purpose, two ceramic filters or two surface  
acoustic wave filters have, to date, normally been used. In the previous solution,